AQUA MICROCONCRETE Microcement

TECHNICAL DATA SHEET

RUSTIC FINISH Micromineral. Ready to use and 100% WATERPROOF

CIMENTART ®
MICROCEMENT

1/2 mm thick finishes

Finished with 0.5 mm thickness

Continuous coating without joints

Great grip on any support

Abrasion high resistance

INNOVATE SME
Valid until Nov 16th 2020

GOBIERNO DE ESPAÑA · MINISTERIO DE ECONOMÍA, INDUSTRIA Y COMPETITIVIDAD

Ease of use, no need to mix products

Application on floors and walls

Interiors and outside

ECO TECHNOLOGY
CIMENTART MICROCEMENT

Commitment to the environment

CimentArt Microcement S.L. **Avda. Carrer la Mar, 12 - CP: 03560** **El Campello (Alicante)**
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100%

CE

QHIM

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AQUA MICROCONCRETE CIMENTART is a thin mineral micro mortar composed of minerals, polymers, aggregates, resins, dyes and special waterproof additives, prepared and ready to use.

Being a fine product, its use is for the finishing of any type of support.

Thanks to the evolution of the nanotechnology industry * (def: field of science dedicated to the control and manipulation of matter on a scale smaller than a micrometer, atoms and molecules (nano-materials), and to our R + D Department , and tests based on our experience for more than 8 years, **CIMENTART MICROCEMENT SL** has managed to develop the first and WATERPROOF Microconcrete on the market, ready to use and with a high quality.

With **AQUA MICROCONCRETE CIMENTART,** will achieve a FINISHING effect of natural RUSTIC CEMENT or NATURAL CONCRETE FINISHING. It is 100% waterproof, with a great hardness, although it has no experience and no need for machines, tools or mixing containers, with a single product and in a single container.

With AQUA MICROCONCRETE CIMENTART, we solve the problem of the moisture stain, which appears by scratches or bumps or in drains joints or between the joint of Microcement with tile walls.

CHARACTERISTICS AND ADVANTAGES

AQUA MICROCONCRETE CIMENTART it is a Microcement ready to use, 100% waterproof, with a hardness and performance equal to or superior to any microcement.

- Great resistance to wear and abrasion.
- Application on any smooth support, whether an absorbent support or not.
- Quick application and with effects of natural cement in 0.1 mm.
- Easy application, you do not need to have experience.

One of the main features of **AQUA MICROCONCRETE CIMENTART** is its simplicity, finishing the supports in thin layers, without having to use 2 products as the Microcement has traditionally been done: Microcement and Mixing Resin.

AQUA MICROCONCRETE CIMENTART is all that in a single container and 100% waterproof.

CIMENTART®
MICROCEMENT

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The main advantages of **AQUA MICROCONCRETE CIMENTART** are:

- It does not need to be mixed. Product ready to use.
- 100% waterproof.
- A single container with a hardness comparable to any microcement on the market.
- Easy application, no need for experience.
- Excellent adhesion on any support.
- Great elasticity, which allows it to resist large tensions or building movements.
- Fast and clean jobs.
- Compared with other microcements, 90% less dust when sanding.
- Possibility that it is pigmented with any universal pigment and in a tintometric machine.
- Application on interior and exterior, in walls and floors.
- Possibility of making an extensive range of colors.

TECHNICAL DATA

Presentation	**Ready to use white paste.**
Granulometry	**0.2**
Clasification UNE EN 12004:2008	**D2**
Density	**2 g/dm3**
Adherence to concrete	**A 28 d : superior to 16 kg/cm2**
Mechanical Resistence	**Compression at 28 d superior to 55 kg/cm2**
Flexibility	**>08/N mm2**
Drying time	**2 – 3 hours to 20ºC / 60% Relative Humidity**
Base	**WATER**
Efficiency	**0.5 kg / m2 approx / 0.5 mm thickness**
Application Temperature	**+ 5º °C / + 35°C**
Mixing Relation	**Product Ready-to-Use. Add maximum a 5% of water**
Combustion point	**Not flammable**
Packaging Format	**5 and 20 kg Buckets**
Slipiness	**C2**
Disolvents	**Exempt**
Epoxy	**Exempt**
Resistance to bacteria development	**99%**
Shipping	**Not dangerous for transportation**
Storing	**Not dangerous for storing**

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COLOR CHART AQUA MICROCONCRETE CIMENTART

AQUA MICROCONCRETE CIMENTART is available in 12 different standard colors.

SURFACES

The supports where **AQUA MICROCONCRETE CIMENTART** is applied must be smooth, resistant and clean, free of dust, grease and any material that hinders adherence.

For a correct application of **AQUA MICROCONCRETE CIMENTART,** it is necessary to have a hard support, without movement or expansion. If the supports are in poor condition, or with joints, such as tiles, you have to repair the imperfect areas and apply two coats of **AQUA BASE CIMENTART**.

AQUA MICROCONCRETE CIMENTART can be applied on interior and exterior walls and floors and on many supports such as:

- **AQUA BASE**, Koncret Base or traditional Base Microcement **CIMENTART.**
- Paint.
- Cement and plaster.
- Wood and Plasterboard.
- Tile, ceramic and porcelain, marble and granite (previously regularized with any microcement Base from **CIMENTART**).

SUPPORTS PREPARATION

If the support where you are going to carry out the application the **AQUA MICROCONCRETE CIMENTART** is not regularized (or in the case of ceramic, porcelain, marble or tile walls), which have 0.1 mm joints, you need to apply a **PRIMER CIMENTART** layer, to create adhesion, and regularize the supports with the necessary layers of **AQUA BASE CIMENTART**, until it has a completely smooth and uniform support. Then proceed to the application of **AQUA MICROCONCRETE CIMENTART**.

If the application is going to be done on completely smooth supports, directly apply a layer of **PRIMER CIMENTART** and start the application with **AQUA MICROCONCRETE CIMENTART.**

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INSTRUCTIONS FOR USE

Open the container and mix very well with a spatula or mixer for paints, until the paste is completely homogeneous. Apply 2 to 3 coats, as needed, with a maximum thickness of 0,5 mm each layer, until obtaining the desired continuous finish.

The thickness of 0.5 mm is achieved with the steel trowel inclined at 45 ° and exerting a certain pressure when applying the product. This product should never be applied in thicker 0.5 mm layers.

On very dry substrates, the surface where we will apply **AQUA MICROCONCRETE CIMENTART,** can be lightly moistened with water with the help of a diffuser spray, without flooding the areas. This process can also be done between layers.

All layers must be applied with short, semicircular movements.

If you want to get an effect or veins similar to marble, leave some imperfection in the first layer and let it dry completely. Once you apply the second layer, exert a certain pressure on the steel trowel when you are making the application.

If you want to leave a more clean and homogeneous finish, sand very well between coats with 100 to 150 grit sandpaper and clean the powder well before applying the next coat.

The thickness of these layers should never be more than 0.5 mm thick.

SEAL THE AQUA MICROCONCRETE CIMENTART

AQUA MICROCONCRETE CIMENTART is a waterproof product, but that does not mean that it can not be stained when you walk on, with detergents, lime, etc. if it is not protected.

Remove the sanding dust in the last layer, with a vacuum cleaner.

Apply a layer of **SEALER CIMENTART** over the entire surface of **AQUA MICROCONCRETE CIMENTART**, with a microfiber roller, covering the entire surface and waiting for to dry completely.

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Once the **SEALER CIMENTART** has been applied and completely dry, to achieve total waterproofing and protection, apply, using a micro-fiber roller, a layer of **CIMENTART Bi-component Polyurethane**, covering the whole surface well, with great attention to corners or areas that can receive direct water, as in the case of shower drains or sink.

Once this layer is dry, always apply a second layer of **CIMENTART Bi-component Polyurethane** in the same way.

CAUTIONS

If you need to dilute the product with water to obtain a more fluid concrete for application, do not exceed a maximum of 5% dissolution.

Never apply the product on substrates that are wet, damp or have capillary moisture. Do not apply the product if there is humidity in the environment of more than 50%.

Do not apply in layers greater than 0.5 mm.

Do not apply with risk of frost or rainy weather. Do not apply at temperatures below 5ºC or above 35ºC.

Never leave the last layer in half, once begun continue until its completion without stoppages, so that you do not see imperfections or joints. If the surface is very large, the application must be made by several people at the same time.

Furniture should never be placed where the legs finish is: pointed, rounded, with rigid plastic protectors, etc ... the entire weight is concentrated in a single point and can mark the micro-cement.

The legs of chairs, tables or furniture must have a wide and straight termination and must always have protective felts placed. All rigid plastic leg protectors should ALWAYS be removed. A protective felt must be placed.

Completely avoid the dragging of furniture, appliances or other objects or tools on a Microcement pavement.

The cleaning of the tool used is done with water.

Merchandise considered not dangerous for transport. Aqueous base, free of solvents, alcohols or flammable products.

Use the appropriate PPE, contains cement, irritates the eyes. Do not put within the reach of children, avoid contact with eyes and skin through the appropriate PPE. In case of contact with the eyes, rinse thoroughly with water and consult your doctor in case of subsequent discomfort.

Once the final coat of polyurethane varnish has been applied, allow it to dry completely; wait at least 4 days before applying any other coating, and 7 days before exposing the surface to moisture or water.

EFFICIENCY

The efficiency of the product is approximately: 0.5 kg / m2 / 1 layer of 0.5 mm.

RECIPIENTS SIZE

Containers of 5 kg and 20 kg.

STORING

12 months, in a dry place protected from bad weather in its original recipient hermetically closed.

CIMENTART MICROCEMENT SL.Our systems are based on the research carried out in our laboratories and years of practical experience.

We guarantee that our products are manufactured, packaged and labeled under the guidelines of ISO 9001: 2008.
We decline any responsibility if the result is affected by factors beyond our control.
The end user must verify that the product supplied meets the needs for which it is going to be used, and must carry out a preliminary test in each case that is necessary.
Revision date: 15-04-20.
The present edition of this technical sheet cancels the previous ones.

RESPONSIBLE CARE
El Compromiso de la Industria Química con el Desarrollo Sostenible